#2

OIPE

RAW SEQUENCE LISTING DATE: 01/15/2002 PATENT APPLICATION: US/09/987,455 TIME: 11:56:43

Input Set : A:\Seqlis~1

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4 <110> APPLICANT: Aranya Manosroi
                                                                     ENTERED
      5
             Jiradej Manosroi
             Chatchai Tayapiwatana
      6
      7
              Friedrich Goetz
              Rolf-Guenther Werner
      8
     10 <120> TITLE OF INVENTION: Methods for Large Scale Production of Recombinant
             DNA-Derived tPA or K2S Molecules
     13 <130> FILE REFERENCE: 0652.2190001
C--> 15 <140> CURRENT APPLICATION NUMBER: US/09/987,455
C--> 15 <141> CURRENT FILING DATE: 2001-11-14
     15 <150> PRIOR APPLICATION NUMBER: 60/268,574
     16 <151> PRIOR FILING DATE: 2001-02-15
     18 <150> PRIOR APPLICATION NUMBER: GB 0027779.8
     19 <151> PRIOR FILING DATE: 2000-11-14
     21 <160> NUMBER OF SEQ ID NOS: 25
     23 <170> SOFTWARE: PatentIn Ver. 2.1
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     43 <220> FEATURE:
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     50 cacagootoa cogagtoggg tgootootgo otocogtgga attocatgat cotgataggo 180
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     60 cgcactgtgt gccttccccc ggcggacctg cagctgccgg actggacgga gtgtgagctc 780
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Input Set : A:\Seqlis-1

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Input Set : A:\Seqlis-1

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124 acqtqqqaqt actqtqatqt qccctcctqc tccacctgcg gcctqagaca gtacagccag 360
125 cctcagtttc gcatcaaagg agggctcttc gccgacatcg cctcccaccc ctggcaggct 420
126 gccatctttg ccaagcacag gaggtegeec ggagageggt teetgtgegg gggcatacte 480
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131 cgcactgtgt gccttccccc ggcggacctg cagctgccgg actggacgga gtgtgagctc 780
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134 accqacaaca tqctqtqtqc tqqaqacact cggaqcggcg ggccccaggc aaacttgcac 960
135 gacqcctqcc agggcqattc qqqaqqcccc ctggtqtgtc tqaacqatgg ccgcatgact 1020
136 ttqqtqqqca tcatcagctg gggcctgggc tgtggacaga aggatgtccc gggtgtgtac 1080
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142 <212> TYPE: DNA
143 <213> ORGANISM: Escherichia coli
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151 <211> LENGTH: 1065
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153 <213> ORGANISM: Artificial Sequence
155 <220> FEATURE:
156 <223> OTHER INFORMATION: Description of Artificial Sequence: coding
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162 tacacagcac agaaccccag tgcccaggca ctgggcctgg gcaaacataa ttactgccgg 180
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165 tttcgcatca aaggagggct cttcgccgac atcgcctccc acccctggca ggctgccatc 360
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167 tectgetgga ttetetetge egeceaetge ttecaggaga ggttteegee ceaecaeetg 480
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Input Set : A:\Seqlis~1

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199 Ser Cys Leu Pro Trp Asn Ser Met Ile Leu Ile Gly Lys Val Tyr Thr
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202 Ala Gln Asn Pro Ser Ala Gln Ala Leu Gly Leu Gly Lys His Asn Tyr
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205 Cys Arg Asn Pro Asp Gly Asp Ala Lys Pro Trp Cys His Val Leu Lys
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208 Asn Arg Arg Leu Thr Trp Glu Tyr Cys Asp Val Pro Ser Cys Ser Thr
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                                  105
211 Cys Gly Leu Arg Gln Tyr Ser Gln Pro Gln Phe Arg Ile Lys Gly Gly
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214 Leu Phe Ala Asp Ile Ala Ser His Pro Trp Gln Ala Ala Ile Phe Ala
                           135
217 Lys His Arg Arg Ser Pro Gly Glu Arg Phe Leu Cys Gly Gly Ile Leu
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                                           155
220 Ile Ser Ser Cys Trp Ile Leu Ser Ala Ala His Cys Phe Gln Glu Arg
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                  165
223 Phe Pro Pro His His Leu Thr Val Ile Leu Gly Arg Thr Tyr Arg Val
224 180
                                   185
226 Val Pro Gly Glu Glu Glu Lys Phe Glu Val Glu Lys Tyr Ile Val
                               200
227 195
229 His Lys Glu Phe Asp Asp Asp Thr Tyr Asp Asn Asp Ile Ala Leu Leu
                           215
232 Gln Leu Lys Ser Asp Ser Ser Arg Cys Ala Gln Glu Ser Ser Val Val
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                                           235
235 Arg Thr Val Cys Leu Pro Pro Ala Asp Leu Gln Leu Pro Asp Trp Thr
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238 Glu Cys Glu Leu Ser Gly Tyr Gly Lys His Glu Ala Leu Ser Pro Phe
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                                   265
241 Tyr Ser Glu Arg Leu Lys Glu Ala His Val Arg Leu Tyr Pro Ser Ser
                               280
244 Arg Cys Thr Ser Gln His Leu Leu Asn Arg Thr Val Thr Asp Asn Met
                          295
                                               300
247 Leu Cys Ala Gly Asp Thr Arg Ser Gly Gly Pro Gln Ala Asn Leu His
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250 Asp Ala Cys Gln Gly Asp Ser Gly Gly Pro Leu Val Cys Leu Asn Asp
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Input Set : A:\Seqlis~1

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309 Gln Ala Leu Gly Leu Gly Lys His Asn Tyr Cys Arg Asn Pro Asp Gly
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312 Asp Ala Lys Pro Trp Cys His Val Leu Lys Asn Arg Arg Leu Thr Trp
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321 Ser His Pro Trp Gln Ala Ala Ile Phe Ala Lys His Arg Arg Ser Pro
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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/987,455

DATE: 01/15/2002

TIME: 11:56:44

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